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FILE 'WPINDEX' ACCESS NOT AUTHORIZED

=> RNA (s) replic? (s) plant? and transgene? and (helper (w) vir? and mRNA (s)
recombinant and (RNA (w) vir? (w) replicase#)
RNA IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s RNA (s) replic? (s) plant? and transgene? and (helper (w) vir? and mRNA (s)
recombinant and (RNA (w) vir? (w) replicase#)
UNMATCHED LEFT PARENTHESIS 'AND (HELPER'
The number of right parentheses in a query must be equal to the
number of left parentheses.

=> s RNA (s) replic? (s) plant? and transgene? and (helper (w) vir?) and mRNA (s)
recombinant and (RNA (w) vir? (w) replicase#)
L1   0 FILE ADISCTI
L2   0 FILE ADISINSIGHT
L3   0 FILE ADISNEWS
L4   0 FILE AGRICOLA
L5   0 FILE ANABSTR
L6   0 FILE AQUASCI
L7   0 FILE BIOBUSINESS
L8   0 FILE BIOCOMMERCE
L9   0 FILE BIOSIS
L10   0 FILE BIOTECHDS
L11   0 FILE BIOTECHNO
L12   0 FILE CABA
L13   0 FILE CANCERLIT
L14   0 FILE CAPLUS
L15   0 FILE CEABA-VTB
L16   0 FILE CEN
L17   0 FILE CIN
L18   0 FILE CONFSCI
L19   0 FILE CROPB
L20   0 FILE CROPU
L21   0 FILE DGENE
L22   0 FILE DRUGB
L23   0 FILE DRUGLAUNCH
L24   0 FILE DRUGMONOG2
L25   0 FILE DRUGNL
L26   0 FILE DRUGU
L27   0 FILE DRUGUPDATES
L28   0 FILE EMBAL
L29   0 FILE EMBASE
L30   0 FILE ESBIOBASE
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'RNA (S) REPLIC?'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'REPLIC? (S) PLANT?'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'MRNA (S) RECOMBINA'
L31 0 FILE FEDRIP
L32 0 FILE FOMAD
L33 0 FILE FOREGE
L34 0 FILE FROSTI
L35 0 FILE FSTA
L36 0 FILE GENBANK
L37 0 FILE HEALSAFE
L38 0 FILE IFIPAT
L39 0 FILE JICST-EPLUS
L40 0 FILE KOSMET
L41 0 FILE LIFESCI
L42 0 FILE MEDICONF
L43 0 FILE MEDLINE
L44 0 FILE NIOSHTIC
L45 0 FILE NTIS
L46 0 FILE NUTRACEUT
L47 0 FILE OCEAN
L48 0 FILE PASCAL
L49 0 FILE PCTGEN
L50 0 FILE PHAR
L51 0 FILE PHARMAML
L52 0 FILE PHIC
L53 0 FILE PHIN
L54 0 FILE PROMT
L55 0 FILE RDISCLOSURE
L56 0 FILE SCISEARCH
L57 0 FILE SYNTHLINE
L58 0 FILE TOXCENTER
L59 0 FILE USPATFULL
L60 0 FILE USPAT2
L61 0 FILE VETB
L62 0 FILE VETU
L63 0 FILE WPIDS

TOTAL FOR ALL FILES
L64 0 RNA (S) REPLIC? (S) PLANT? AND TRANSGENE? AND (HELPER (W) VIR?)
AND MRNA (S) RECOMBINANT AND (RNA (W) VIR? (W) REPLICASE#)

=> s RNA (s) replic? and plant# and transgene? and (helper (w) vir?) and mRNA and recombinant and (RNA (w) vir? (w) replicase#)
L65 0 FILE ADISCTI
L66 0 FILE ADISINSIGHT
L67 0 FILE ADISNEWS
L68 0 FILE AGRICOLA
L69 0 FILE ANABSTR
L70 0 FILE AQUASCI
L71 0 FILE BIOBUSINESS
L72 0 FILE BIOCOMMERCE
L73 0 FILE BIOSIS
L74 0 FILE BIOTECHDS
L75 0 FILE BIOTECHNO
L76 0 FILE CABA
L77 0 FILE CANCERLIT
L78 0 FILE CAPLUS
L79 0 FILE CEABA-VTB
L80 0 FILE CEN
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L82 0 FILE CONFSCI
L83 0 FILE CROPB
L84 0 FILE CROPU
L85 0 FILE DGENE

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L86             0 FILE DRUGB
L87             0 FILE DRUGLAUNCH
L88             0 FILE DRUGMONOG2
L89             0 FILE DRUGNL
L90             0 FILE DRUGU
L91             0 FILE DRUGUPDATES
L92             0 FILE EMBAL
L93             0 FILE EMBASE
L94             0 FILE ESBIOBASE
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'RNA (S) REPLIC?'
L95             0 FILE FEDRIP
L96             0 FILE FOMAD
L97             0 FILE FOREGE
L98             0 FILE FROSTI
L99             0 FILE FSTA
L100            0 FILE GENBANK
L101            0 FILE HEALSAFE
L102            0 FILE IFIPAT
L103            0 FILE JICST-EPLUS
L104            0 FILE KOSMET
L105            0 FILE LIFESCI
L106            0 FILE MEDICONF
L107            0 FILE MEDLINE
L108            0 FILE NIOSHTIC
L109            0 FILE NTIS
L110            0 FILE NUTRACEUT
L111            0 FILE OCEAN
L112            0 FILE PASCAL
L113            0 FILE PCTGEN
L114            0 FILE PHAR
L115            0 FILE PHARMAML
L116            0 FILE PHIC
L117            0 FILE PHIN
L118            0 FILE PROMT
L119            0 FILE RDISCLOSURE
L120            0 FILE SCISEARCH
L121            0 FILE SYNTHLINE
L122            0 FILE TOXCENTER
L123            0 FILE USPATFULL
L124            0 FILE USPAT2
L125            0 FILE VETB
L126            0 FILE VETU
L127            0 FILE WPIDS

TOTAL FOR ALL FILES
L128            0 RNA (S) REPLIC? AND PLANT# AND TRANSGENE? AND (HELPER (W) VIR?)
                  AND MRNA AND RECOMBINANT AND (RNA (W) VIR? (W) REPLICASE#)

=> s RNA (s) replic? (s) plant? and transgene? and (helper (w) vir?)  and mRNA (s)
recombinant#
L129            0 FILE ADISCTI
L130            0 FILE ADISINSIGHT
L131            0 FILE ADISNEWS
L132            0 FILE AGRICOLA
L133            0 FILE ANABSTR
L134            0 FILE AQUASCI
L135            0 FILE BIOBUSINESS
L136            0 FILE BIOCOMMERCE
L137            0 FILE BIOSIS
L138            1 FILE BIOTECHDS
L139            0 FILE BIOTECHNO
L140            0 FILE CABA
L141            0 FILE CANCERLIT
L142            0 FILE CAPLUS
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L143          0 FILE CEABA-VTB
L144          0 FILE CEN
L145          0 FILE CIN
L146          0 FILE CONFSCI
L147          0 FILE CROPB
L148          0 FILE CROPU
L149          0 FILE DGENE
L150          0 FILE DRUGB
L151          0 FILE DRUGLAUNCH
L152          0 FILE DRUGMONOG2
L153          0 FILE DRUGNL
L154          0 FILE DRUGU
L155          0 FILE DRUGUPDATES
L156          0 FILE EMBAL
L157          0 FILE EMBASE
L158          0 FILE ESBIOBASE
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'RNA (S) REPLIC?'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'REPLIC? (S) PLANT?'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'MRNA (S) RECOMBINA'
L159          0 FILE FEDRIP
L160          0 FILE FOMAD
L161          0 FILE FOREGE
L162          0 FILE FROSTI
L163          0 FILE FSTA
L164          0 FILE GENBANK
L165          0 FILE HEALSAFE
L166          0 FILE IFIPAT
L167          0 FILE JICST-EPLUS
L168          0 FILE KOSMET
L169          0 FILE LIFESCI
L170          0 FILE MEDICONF
L171          0 FILE MEDLINE
L172          0 FILE NIOSHTIC
L173          0 FILE NTIS
L174          0 FILE NUTRACEUT
L175          0 FILE OCEAN
L176          0 FILE PASCAL
L177          0 FILE PCTGEN
L178          0 FILE PHAR
L179          0 FILE PHARMAML
L180          0 FILE PHIC
L181          0 FILE PHIN
L182          0 FILE PROMT
L183          0 FILE RDISCLOSURE
L184          0 FILE SCISEARCH
L185          0 FILE SYNTHLINE
L186          0 FILE TOXCENTER
L187         34 FILE USPATFULL
L188          1 FILE USPAT2
L189          0 FILE VETB
L190          0 FILE VETU
L191          1 FILE WPIDS

TOTAL FOR ALL FILES
L192         37 RNA (S) REPLIC? (S) PLANT? AND TRANSGENE? AND (HELPER (W) VIR?)
                AND MRNA (S) RECOMBINANT#

=> dup rem l192
DUPLICATE IS NOT AVAILABLE IN 'ADISINSIGHT, ADISNEWS, BIOCOMMERCE, DGENE,
DRUGLAUNCH, DRUGMONOG2, DRUGUPDATES, FEDRIP, FOREGE, GENBANK, KOSMET,
MEDICONF, NUTRACEUT, PCTGEN, PHAR, PHARMAML, RDISCLOSURE, SYNTHLINE'.
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PROCESSING COMPLETED FOR L192
L193 35 DUP REM L192 (2 DUPLICATES REMOVED)

=> d l193 1-35 ibib abs

L193 ANSWER 1 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2003:196078 USPATFULL
TITLE: Nucleic acids that control plant development
INVENTOR(S): Fischer, Robert, El Cerrito, CA, UNITED STATES
Choi, Yeonhee, Emeryville, CA, UNITED STATES
Hannon, Mike, Livermore, CA, UNITED STATES
Okamuro, Jack, Oak Park, CA, UNITED STATES
Tatarinova, Tatiana, Los Angeles, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003135890	A1	20030717
APPLICATION INFO.:	US 2001-840743	A1	20010423 (9)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2000-553690, filed on 21 Apr 2000, PENDING
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834
NUMBER OF CLAIMS: 29
EXEMPLARY CLAIM: 1
LINE COUNT: 3993
AB This invention is directed to plant genetic engineering. In particular, it relates to, for example, modulating seed (and in particular endosperm, embryo and seed coat) development, flowering time, chromosomal DNA methylation and modulating transcription in plants.

L193 ANSWER 2 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2003:182806 USPATFULL
TITLE: Compositions and methods for modulating plant development
INVENTOR(S): Fischer, Robert, El Cerrito, CA, UNITED STATES
Kinoshita, Tetsu, Mishima, JAPAN
Yadegari, Ramin, Tucson, AZ, UNITED STATES
Gehring, Mary, Berkeley, CA, UNITED STATES
Okamuro, Jack, Oak Park, CA, UNITED STATES
Dang, Van-Dinh, Oak Park, CA, UNITED STATES
PATENT ASSIGNEE(S): THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, Oakland, CA, UNITED STATES, 94607-5200 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003126642	A1	20030703
APPLICATION INFO.:	US 2002-176884	A1	20020621 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-300506P	20010622 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834
NUMBER OF CLAIMS: 27
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 Drawing Page(s)
LINE COUNT: 4269
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides compositions and methods for modulating plant development by modulating the expression or activity of plant

polycomb genes including FIE and MEA.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 3 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2003:160920 USPATFULL
TITLE: Nucleic acids that control seed and fruit development in plants
INVENTOR(S): Fischer, Robert L., El Cerrito, CA, UNITED STATES
Ohad, Nir, Jerusalem, ISRAEL
Kiyosue, Tomohiro, Okazaka, JAPAN
Yadegari, Ramin, San Jose, CA, UNITED STATES
Margossian, Linda, El Cerrito, CA, UNITED STATES
Harada, John, Davis, CA, UNITED STATES
Goldberg, Robert B., Topanga, CA, UNITED STATES
PATENT ASSIGNEE(S): The Regents of the University of California, Oakland, CA (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003110536	A1	20030612
APPLICATION INFO.:	US 2002-213512	A1	20020806 (10)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1998-71838, filed on 1 May 1998, PENDING
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834
NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 5 Drawing Page(s)
LINE COUNT: 3722
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention provides methods of controlling endosperm development in plants.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 4 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2003:88020 USPATFULL
TITLE: Polynucleotides useful for modulating transcription
INVENTOR(S): Weterings, Koen, Nijmegen, NETHERLANDS
Apuya, Nestor R., Culver City, CA, UNITED STATES
Tatarinova, Tatiana, Los Angeles, CA, UNITED STATES
Goldberg, Robert B., Topanga, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003061632	A1	20030327
APPLICATION INFO.:	US 2001-997672	A1	20011128 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-253672P	20001128 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834
NUMBER OF CLAIMS: 19
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 21 Drawing Page(s)
LINE COUNT: 3875
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention provides polynucleotides for expression of genes in suspensor cells in plants and methods for using such polynucleotides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 5 OF 35 USPATFULL on STN DUPLICATE 1
ACCESSION NUMBER: 2002:33169 USPATFULL
TITLE: NOD FACTOR BINDING PROTEIN FROM LEGUME ROOTS
INVENTOR(S): ETZLER, MARILYNN E., DAVIS, CA, UNITED STATES
MURPHY, JUDITH B., DAVIS, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002019995	A1	20020214
	US 6465716	B2	20021015
APPLICATION INFO.:	US 1998-129112	A1	19980804 (9)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1997-907226, filed on 6 Aug 1997, PENDING
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: TOWNSEND AND TOWNSEND AND CREW, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834
NUMBER OF CLAIMS: 29
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Page(s)
LINE COUNT: 2143
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides NBP46 polynucleotides that are useful in modulating Nod factor binding and other plant functions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 6 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2002:343890 USPATFULL
TITLE: Nod2 nucleic acids and proteins
INVENTOR(S): Nunez, Gabriel, Ann Arbor, MI, UNITED STATES
Inohara, Naohiro, Ann Arbor, MI, UNITED STATES
Ogura, Yasunori, Ann Arbor, MI, UNITED STATES
Cho, Judy, Chicago, IL, UNITED STATES
Nicolae, Dan L., Chicago, IL, UNITED STATES
Bonen, Denise, Chicago, IL, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002197616	A1	20021226
APPLICATION INFO.:	US 2001-2974	A1	20011026 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-244266P	20001030 (60)
	US 2001-286316P	20010425 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: David A. Casimir, MEDLEN & CARROLL, LLP, Suite 350, 101 Howard Street, San Francisco, CA, 94105
NUMBER OF CLAIMS: 33
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 49 Drawing Page(s)
LINE COUNT: 8372
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to intracellular signalling molecules, in particular the Nod2 protein and nucleic acids encoding the Nod2 protein. The present invention provides isolated nucleotide sequence encoding Nod2, isolated Nod2 peptides, antibodies that specifically bind Nod2, methods for the detection of Nod2, and methods for screening compounds for the ability to alter Nod2 associated signal transduction. The present invention also provides Nod2 variant alleles. The present

invention further provides methods of identifying individuals at increased risk of developing Crohn's disease.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 7 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2002:339270 USPATFULL
TITLE: Methods of creating dwarf phenotypes in plants
INVENTOR(S): Pogue, Gregory P., Vacaville, CA, UNITED STATES
Della-Cioppa, Guy R., Vacaville, CA, UNITED STATES
Wolfe, Gershon M., Davis, CA, UNITED STATES
Zheng, Wenjin, Davis, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002194646	A1	20021219
APPLICATION INFO.:	US 2001-910664	A1	20010720 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-219943P	20000720 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HOWREY SIMON ARNOLD & WHITE, LLP, BOX 34, 301 RAVENSWOOD AVE., MENLO PARK, CA, 94025
NUMBER OF CLAIMS: 12
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Page(s)
LINE COUNT: 8200
AB The invention is directed to the application of gene sequences which cause a dwarf phenotype in plants to the fields of forestry plants, ornamental horticultural plants, medicinal plants, and Nicotiana plants which are used for purposes other than for traditional tobacco products. The invention provides cDNAs identified by the polynucleotide sequences SEQ ID NO: 1-122 that may be used to create transfected or transgenic plants exhibiting a dwarf phenotype. The invention also provides methods of creating a transfected or transgenic plant exhibiting a dwarf phenotype by expressing in the plant DNA or mRNA identified by the sequences SEQ ID NO:1-122.

L193 ANSWER 8 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2002:339269 USPATFULL
TITLE: Combinations of genes for producing seed plants exhibiting modulated reproductive development
INVENTOR(S): Yanofsky, Martin F., San Diego, CA, UNITED STATES
Pelaz, Soraya, Madrid, SPAIN
Ditta, Gary, Poway, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002194645	A1	20021219
APPLICATION INFO.:	US 2001-853450	A1	20010509 (9)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834
NUMBER OF CLAIMS: 65
EXEMPLARY CLAIM: 1
LINE COUNT: 6049
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides plants that exhibit modulated reproductive development and methods of modulating the timing of reproductive development in plants.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 9 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2002:302539 USPATFULL
TITLE: Nucleic acid molecules associated with plant cell proliferation and growth and uses thereof
INVENTOR(S): He, Steve Sichuan, St. Louis, MO, UNITED STATES
Dotson, Stanton B., Chesterfield, MO, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002170093	A1	20021114
APPLICATION INFO.:	US 2001-24632	A1	20011219 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-257896P	20001221 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Lawrence M. Lavin, Jr., Patent Department, E2NA, Monsanto Company, 800 N. Lindbergh Boulevard, St. Louis, MO, 63167
NUMBER OF CLAIMS: 34
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 20 Drawing Page(s)
LINE COUNT: 5273
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides a gene encoding ANT-like polypeptide comprising in the N-terminal to C-terminal direction two AP2 DNA binding domains followed in the C-terminal by an amino acid subsequence selected from the group consisting of Xaa-Ser-Ser-Ser-Arg-Glu, Xaa-Ser-Asn-Ser-Arg-Glu, and Asn-Ser-Ser-Ser-Arg-Asn, wherein Xaa is an amino acid residue selected from the group consisting of Gly, Ala, Val, Leu, and Ile. Such gene encoding ANT-like polypeptide can be over-expressed in a transgenic plant to provide agronomically desired traits based on increased size of selected plant organs.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 10 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2002:274367 USPATFULL
TITLE: NUCLEIC ACIDS THAT CONTROL SEED AND FRUIT DEVELOPMENT IN PLANTS
INVENTOR(S): FISCHER, ROBERT L., EL CERRITO, CA, UNITED STATES
OHAD, NIR, JERUSALEM, ISRAEL
KIYOSUE, TOMOHIRO, OKAZAKI, JAPAN
YADEGARI, RAMIN, SAN JOSE, CA, UNITED STATES
MARGOSSIAN, LINDA, EL CERRITO, CA, UNITED STATES
HARADA, JOHN, DAVIS, CA, UNITED STATES
GOLDBERG, ROBERT B., TOPANGA, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002152501	A1	20021017
APPLICATION INFO.:	US 1998-71838	A1	19980501 (9)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: KEVIN L. BASTIAN, TOWNSEND & TOWNSEND & CREW, TWO EMBARCADERO CENTER, SAN FRANCISCO, CA, 941113834
NUMBER OF CLAIMS: 9
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 5 Drawing Page(s)
LINE COUNT: 3442
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention provides methods of controlling endosperm development in

plants.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 11 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2002:260726 USPATFULL
TITLE: Viral amplification of recombinant messenger RNA in transgenic plants
INVENTOR(S): Turpen, Thomas H., Vacaville, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002144308	A1	20021003
APPLICATION INFO.:	US 2001-930342	A1	20010814 (9)

RELATED APPLN. INFO.: Division of Ser. No. US 1999-414916, filed on 8 Oct 1999, PENDING Continuation of Ser. No. US 1994-336724, filed on 9 Nov 1994, GRANTED, Pat. No. US 5965794 Continuation of Ser. No. US 1992-997733, filed on 30 Dec 1992, ABANDONED
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HOWREY SIMON ARNOLD & WHITE, LLP, BOX 34, 301 RAVENSWOOD AVE., MENLO PARK, CA, 94025
NUMBER OF CLAIMS: 25
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 8 Drawing Page(s)
LINE COUNT: 800
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A novel method of over expressing genes in **plants** is provided. This method is based on the **RNA** amplification properties of plus strand **RNA** viruses of **plants**. A chimeric multicistronic gene is constructed containing a **plant** promoter, viral **replication** origins, a viral movement protein gene, and one or more foreign genes under control of viral subgenomic promoters. **Plants** containing one or more of these recombinant **RNA** transcripts are inoculated with **helper virus**. In the presence of **helper virus** recombinant transcripts are **replicated** producing high levels of foreign gene **RNA**.

Sequences are provided for the high level expression of the enzyme chloramphenicol acetyltransferase in tobacco **plants** by **replicon RNA** amplification with **helper viruses** and movement protein genes derived from the tobamovirus group.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 12 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2002:235484 USPATFULL
TITLE: Nod2 nucleic acids and proteins
INVENTOR(S): Nunez, Gabriel, Ann Arbor, MI, UNITED STATES
Inohara, Naohiro, Ann Arbor, MI, UNITED STATES
Ogura, Yasunori, Ann Arbor, MI, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002127673	A1	20020912
APPLICATION INFO.:	US 2001-14269	A1	20011026 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-244289P	20001030 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: David A. Casimir, MEDLEN & CARROLL, LLP, Suite 350, 101 Howard Street, San Francisco, CA, 94105
NUMBER OF CLAIMS: 26
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 21 Drawing Page(s)
LINE COUNT: 5519
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to intracellular signalling molecules, in particular the Nod2 protein and nucleic acids encoding the Nod2 protein. The present invention provides isolated nucleotide sequence encoding Nod2, isolated Nod2 peptides, antibodies that specifically bind Nod2, methods for the detection of Nod2, and methods for screening compounds for the ability to alter Nod2 associated signal transduction.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 13 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2002:221966 USPATFULL
TITLE: Dwf5 mutants
INVENTOR(S): Choe, Sunghwa, Seoul, KOREA, REPUBLIC OF
Feldmann, Kenneth A., Newbury Park, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002120111	A1	20020829
APPLICATION INFO.:	US 2001-817774	A1	20010326 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-192202P	20000327 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: ROBINS & PASTERNAK LLP, 545 MIDDLEFIELD ROAD, SUITE 180, MENLO PARK, CA, 94025
NUMBER OF CLAIMS: 39
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 17 Drawing Page(s)
LINE COUNT: 2583
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Dwarf5 (dwf5) mutants and methods of using the same are disclosed. The dwf5 polynucleotides can be used in the production of transgenic plants which display at least one dwf5 phenotype, so that the resulting plants have altered structure or morphology. Also described is the DWF5 genomic sequence.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 14 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2002:193045 USPATFULL
TITLE: Viral amplification of recombinant messenger RNA in transgenic plants
INVENTOR(S): Turpen, Thomas H., Vacaville, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002104123	A1	20020801
APPLICATION INFO.:	US 2001-930329	A1	20010814 (9)

RELATED APPLN. INFO.: Division of Ser. No. US 1999-414916, filed on 8 Oct 1999, PENDING Continuation of Ser. No. US 1994-336724, filed on 9 Nov 1994, PATENTED Continuation of Ser. No. US 1992-997733, filed on 30 Dec 1992, ABANDONED
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HOWREY SIMON ARNOLD & WHITE, LLP, BOX 34, 301 RAVENSWOOD AVE., MENLO PARK, CA, 94025

NUMBER OF CLAIMS: 25
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 8 Drawing Page(s)
LINE COUNT: 800
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A novel method of over expressing genes in **plants** is provided. This method is based on the **RNA** amplification properties of plus strand **RNA** viruses of **plants**. A chimeric multicistronic gene is constructed containing a **plant** promoter, viral **replication** origins, a viral movement protein gene, and one or more foreign genes under control of viral subgenomic promoters. **Plants** containing one or more of these recombinant **RNA** transcripts are inoculated with **helper virus**. In the presence of **helper virus** recombinant transcripts are **replicated** producing high levels of foreign gene **RNA**.

Sequences are provided for the high level expression of the enzyme chloramphenicol acetyltransferase in tobacco **plants** by **replicon RNA** amplification with **helper viruses** and movement protein genes derived from the tobamovirus group.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 15 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2002:133963 USPATFULL
TITLE: Dwf7 mutants
INVENTOR(S): Choe, Sunghwa, Tucson, AZ, UNITED STATES
Feldmann, Kenneth A., Newbury Park, CA, UNITED STATES

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2002068822	A1	20020606	
APPLICATION INFO.:	US 2001-775879	A1	20010202	(9)

	NUMBER	DATE	
PRIORITY INFORMATION:	US 2000-179901P	20000202	(60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: ROBINS & PASTERNAK LLP, 90 MIDDLEFIELD ROAD, SUITE 200, MENLO PARK, CA, 94025
NUMBER OF CLAIMS: 35
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 18 Drawing Page(s)
LINE COUNT: 2792
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Dwarf7 (dwf7) mutants and polypeptides, as well as methods of using the same, are disclosed. The dwf7 polynucleotides can be used in the production of transgenic plants which display at least one dwf7 phenotype, so that the resulting plants have altered structure or morphology.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 16 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2002:105925 USPATFULL
TITLE: Method and product for regulating apoptosis
INVENTOR(S): Johnson, Gary L., Boulder, CO, UNITED STATES
PATENT ASSIGNEE(S): National Jewish Center for Immunology and Respiratory Medicine (U.S. corporation)

	NUMBER	KIND	DATE

PATENT INFORMATION: US 2002055130 A1 20020509
APPLICATION INFO.: US 2001-858754 A1 20010516 (9)
RELATED APPLN. INFO.: Continuation of Ser. No. US 1998-23130, filed on 13 Feb 1998, ABANDONED

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-39740P	19970214 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: LAHIVE & COCKFIELD, 28 STATE STREET, BOSTON, MA, 02109
NUMBER OF CLAIMS: 39
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 22 Drawing Page(s)
LINE COUNT: 6845
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to isolated MEKK1 proteins, nucleic acid molecules having sequences that encode such proteins, and antibodies raised against such proteins. The present invention also includes methods to use such proteins to regulate apoptosis. The invention provides active fragments of MEKK1 proteins that are generated upon cleavage of MEKK1 with a caspase protease. These active fragments are capable of stimulating apoptosis. Moreover, the invention provides protease-resistant forms of MEKK1 proteins, that are resistant to cleavage by caspase proteases and that are capable of inhibiting apoptosis. Still further, the invention provides methods for generating an active fragment of MEKK1, methods of identifying modulators of the apoptotic activity of an active fragment of MEKK1 and methods of identifying modulators of caspase-mediated cleavage of MEKK1.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 17 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2002:291133 USPATFULL
TITLE: Nucleic acids that control seed and fruit development in plants
INVENTOR(S): Fischer, Robert L., El Cerrito, CA, United States
Choi, Yeonhee, Emeryville, CA, United States
Hannon, Mike, Livermore, CA, United States
PATENT ASSIGNEE(S): The Regents of the University of California, Oakland, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6476296	B1	20021105
APPLICATION INFO.:	US 2000-553690		20000421 (9)

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Fox, David T.
ASSISTANT EXAMINER: Kubelik, Anne
LEGAL REPRESENTATIVE: Townsend and Townsend and Crew LLP
NUMBER OF CLAIMS: 38
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT: 2459
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention provides methods of controlling endosperm and seed development in plants.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 18 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2002:262507 USPATFULL
TITLE: Viral amplification of recombinant messenger RNA in transgenic plants

INVENTOR(S): Turpen, Thomas H., Vacaville, CA, United States
PATENT ASSIGNEE(S): Large Scale Biology Corporation, Vacaville, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6462255	B1	20021008
APPLICATION INFO.:	US ~~1999~~-414916		19991008 (9)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1994-336724, filed on 9 Nov 1994, now patented, Pat. No. US 5965794 Continuation of Ser. No. US 1992-997733, filed on 30 Dec 1992, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Fox, David T.
LEGAL REPRESENTATIVE: Halluin, Albert P., Gallegos, Thomas, Chiang, Robin C.
NUMBER OF CLAIMS: 31
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 10 Drawing Figure(s); 8 Drawing Page(s)
LINE COUNT: 785
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A novel method of over expressing genes in **plants** is provided. This method is based on the **RNA** amplification properties of plus strand **RNA** viruses of **plants**. A chimeric multicistronic gene is constructed containing a **plant** promoter, viral **replication** origins, a viral movement protein gene, and one or more foreign genes under control of viral subgenomic promoters. **Plants** containing one or more of these recombinant **RNA** transcripts are inoculated with **helper virus**. In the presence of **helper virus** recombinant transcripts are **replicated** producing high levels of foreign gene **RNA**. Sequences are provided for the high level expression of the enzyme chloramphenicol acetyltransferase in tobacco **plants** by **replicon RNA** amplification with **helper viruses** and movement protein genes derived from the tobamovirus group.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 19 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2001:235103 USPATFULL
TITLE: Method and product for regulating cell responsiveness to external signals
INVENTOR(S): Johnson, Gary L., Boulder, CO, United States
PATENT ASSIGNEE(S): National Jewish Center for Immunology and Respiratory Medicine, Denver, CO, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6333170	B1	20011225
APPLICATION INFO.:	US 1996-628829		19960405 (8)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1995-440421, filed on 12 May 1995, now abandoned Continuation-in-part of Ser. No. US 1994-323460, filed on 14 Oct 1994, now patented, Pat. No. US 5854043 Continuation-in-part of Ser. No. US 1993-49254, filed on 15 Apr 1993, now patented, Pat. No. US 5405941 , said Ser. No. US 440421 Continuation-in-part of Ser. No. US 1993-49254, filed on 15 Apr 1993, now patented, Pat. No. US 5405941 , said Ser. No. US 628829 Continuation-in-part of Ser. No. US 1995-410602, filed on 24 Mar 1995, now abandoned Continuation-in-part of Ser. No. US 1995-472934, filed on 6 Jun 1995, now patented, Pat. No. US 5753446
DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED

PRIMARY EXAMINER: Kemmerer, Elizabeth
ASSISTANT EXAMINER: Basi, Nirmal S.
LEGAL REPRESENTATIVE: Lahive & Cockfield, LLP, DeConti, Jr., Esq., Guilio A., Lauro, Esq., Peter C.
NUMBER OF CLAIMS: 16
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 40 Drawing Figure(s); 30 Drawing Page(s)
LINE COUNT: 6027
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to isolated MEKK proteins, nucleic acid molecules having sequences that encode such proteins, and antibodies raised against such proteins. The present invention also includes methods to use such proteins to regulate signal transduction in a cell. The present invention also includes therapeutic compositions comprising such proteins or nucleic acid molecules that encode such proteins and their use to treat animals having medical disorders including cancer, inflammation, neurological disorders, autoimmune diseases, allergic reactions, and hormone-related diseases. When MEKK is expressed, it phosphorylates and activates MKKs 1-4 (also referred to as MEK-1, MEK-2 and JNKK1 and JNKK2).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 20 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2001:226812 USPATFULL
TITLE: Methods for improving seeds
INVENTOR(S): Jofuku, K. Diane, Santa Cruz, CA, United States
Okamuro, Jack K., Santa Cruz, CA, United States
PATENT ASSIGNEE(S): The Regents of the University of California, Oakland, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6329567	B1	20011211
APPLICATION INFO.:	US 1998-26039		19980219 (9)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1997-912272, filed on 15 Aug 1997, now patented, Pat. No. US 6093874 Continuation-in-part of Ser. No. US 1997-879827, filed on 20 Jun 1997 Continuation-in-part of Ser. No. US 1996-700152, filed on 20 Aug 1996, now patented, Pat. No. US 5994622
DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Mosher, Mary E.
LEGAL REPRESENTATIVE: Townsend & Townsend & Crew LLP
NUMBER OF CLAIMS: 48
EXEMPLARY CLAIM: 1,42
NUMBER OF DRAWINGS: 12 Drawing Figure(s); 8 Drawing Page(s)
LINE COUNT: 2139
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention provides methods of modulating seed mass and other traits in plants. The methods involve producing transgenic plants comprising a recombinant expression cassette containing an ADC nucleic acid linked to a plant promoter.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 21 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2001:158556 USPATFULL
TITLE: Nucleic acids encoding plant group 2 proteins and uses thereof
INVENTOR(S): Baden, Catherine S., Martinez, CA, United States
Dunsmuir, Pamela, Piedmont, CA, United States
Lee, Kathleen Y., Oakland, CA, United States
PATENT ASSIGNEE(S): DNA Plant Technology Corporation, Oakland, CA, United

States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6291744	B1	20010918
APPLICATION INFO.:	US 1998-127646		19980731 (9)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1996-761549, filed on 6 Dec 1996, now patented, Pat. No. US 5981727
Continuation-in-part of Ser. No. US 1994-289458, filed on 20 Aug 1994, now patented, Pat. No. US 5608144
DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: McElwain, Elizabeth F.
LEGAL REPRESENTATIVE: Townsend and Townsend and Crew LLP
NUMBER OF CLAIMS: 27
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 10 Drawing Figure(s); 8 Drawing Page(s)
LINE COUNT: 2197
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention relates to compositions and methods useful in the production of transgenic plants. In particular, the invention relates to nucleic acids that hybridizes under stringent conditions to a nucleic acid encoding a plant Gp2 protein that has the amino acid sequence depicted in SEQ ID NO:1 or SEQ ID NO:2. The invention also relates to the above-described nucleic acid operably linked to a heterologous or Gp2 plant promoter. In addition, the invention relates to transgenic plants containing the above-described nucleic acids.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 22 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2001:82993 USPATFULL
TITLE: Strawberry endo-1,4-.beta.-glucanase genes and their uses
INVENTOR(S): Harpster, Mark H., Albany, CA, United States
PATENT ASSIGNEE(S): DNA Plant Technology Corporation, Oakland, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6242668	B1	20010605
APPLICATION INFO.:	US 1999-348443		19990707 (9)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Benzion, Gary
ASSISTANT EXAMINER: Mehta, Ashwin D.
LEGAL REPRESENTATIVE: Townsend and Townsend and Crew
NUMBER OF CLAIMS: 22
EXEMPLARY CLAIM: 14
LINE COUNT: 1287
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention provides nucleic acid molecules and methods useful in controlling cell wall degradation in plants.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 23 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2001:67875 USPATFULL
TITLE: Nucleic acids that control endosperm development in plants
INVENTOR(S): Fischer, Robert L., El Cerrito, CA, United States
Ohad, Nir, Jerusalem, Israel
Kiyosue, Tomohiro, Okazaki, Japan
Yadegari, Ramin, San Jose, CA, United States
Margossian, Linda, El Cerrito, CA, United States

Harada, John, Davis, CA, United States
Goldberg, Robert B., Topanga, CA, United States
PATENT ASSIGNEE(S): The Regents of the University of California, Oakland, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6229064	B1	20010508
APPLICATION INFO.:	US 1998-177249		19981022 (9)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1998-71838, filed on 1 May 1998
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Hutzell, Paula
ASSISTANT EXAMINER: Mehta, Ashwin D.
LEGAL REPRESENTATIVE: Townsend and Townsend and Crew LLP
NUMBER OF CLAIMS: 22
EXEMPLARY CLAIM: 1,12
NUMBER OF DRAWINGS: 6 Drawing Figure(s); 5 Drawing Page(s)
LINE COUNT: 1399
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention provides methods of controlling endosperm development in plants.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 24 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2000:95173 USPATFULL
TITLE: Methods for improving seeds
INVENTOR(S): Jofuku, K. Diane, Santa Cruz, CA, United States
Okamuro, Jack K., Santa Cruz, CA, United States
PATENT ASSIGNEE(S): The Regents of the University of California, Oakland, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6093874		20000725
APPLICATION INFO.:	US 1997-912272		19970815 (8)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1997-879827, filed on 20 Jun 1997 which is a continuation-in-part of Ser. No. US 1996-700152, filed on 20 Aug 1996
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Mosher, Mary E.
LEGAL REPRESENTATIVE: Townsend and Townsend and Crew, LLP
NUMBER OF CLAIMS: 55
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 6 Drawing Figure(s); 7 Drawing Page(s)
LINE COUNT: 3135
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention provides methods of modulating seed mass and other traits in plants. The methods involve producing transgenic plants comprising a recombinant expression cassette containing an ADC nucleic acid linked to a plant promoter.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 25 OF 35 USPATFULL on STN
ACCESSION NUMBER: 2000:77221 USPATFULL
TITLE: Ribozyme-mediated gene replacement
INVENTOR(S): Duan, Lingxun, North Wales, PA, United States
Zern, Mark A., Newtown, PA, United States
Pomerantz, Roger J., Chalfont, PA, United States
PATENT ASSIGNEE(S): Thomas Jefferson University, Philadelphia, PA, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6077705		20000620	
APPLICATION INFO.:	US 1997-856331		19970514	(8)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-17132P	19960517 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Brusca, John S.
ASSISTANT EXAMINER: McGarry, Sean
LEGAL REPRESENTATIVE: Akin, Gump, Strauss, Hauer & Feld, L.L.P.
NUMBER OF CLAIMS: 4
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 21 Drawing Figure(s); 15 Drawing Page(s)
LINE COUNT: 1259
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods of gene therapy, particular ribozyme-mediated gene replacement methods, are disclosed. Method of treating patients suffering from a disease associated with expression of an abnormal form of a gene, such as alpha-1 antitrypsin mutations, are disclosed. The methods comprise the steps of administering to such a patient a nucleic acid construct encoding a ribozyme and a nucleic acid construct comprising a ribozyme resistant gene encoding a wild type form of the gene product. Recombinant vectors and pharmaceutical compositions for practicing the methods are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 26 OF 35 USPATFULL on STN
ACCESSION NUMBER: 1999:156004 USPATFULL
TITLE: Methods for improving seeds
INVENTOR(S): Jofuku, K. Diane, Santa Cruz, CA, United States
Okamuro, Jack K., Santa Cruz, CA, United States
PATENT ASSIGNEE(S): The Regents of the University of California, Oakland, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5994622		19991130	
APPLICATION INFO.:	US 1996-700152		19960820	(8)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Mosher, Mary E.
LEGAL REPRESENTATIVE: Townsend and Townsend and Crew
NUMBER OF CLAIMS: 35
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 3 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT: 1357
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides methods of modulating seed mass and other traits in plants. The methods involve producing transgenic plants comprising a recombinant expression cassette containing an AP2 nucleic acid linked to a plant promoter.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 27 OF 35 USPATFULL on STN
ACCESSION NUMBER: 1999:142134 USPATFULL
TITLE: Plant Group 2 promoters and uses thereof
INVENTOR(S): Baden, Catherine S., Martinez, CA, United States
Dunsmuir, Pamela, Piedmont, CA, United States
Lee, Kathleen Y., Oakland, CA, United States

PATENT ASSIGNEE(S): DNA Plant Technology Corporation, Oakland, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5981727		19991109
APPLICATION INFO.:	US 1996-761549		19961206 (8)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1994-289458, filed on 12 Aug 1994, now patented, Pat. No. US 5608144
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: McElwain, Elizabeth F.
LEGAL REPRESENTATIVE: Townsend and Townsend and Crew
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 10 Drawing Figure(s); 8 Drawing Page(s)
LINE COUNT: 2068
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to compositions and methods useful in the production of transgenic plants. In particular, the invention relates to Group 2 (Gp2) plant promoter sequences and to expression cassettes containing Gp2 plant promoter sequences. The invention also relates to vectors and transgenic plants containing Gp2 plant promoter sequences that are operably linked to heterologous DNA sequences. In addition, the invention relates to methods of producing transgenic plants by using vectors containing Gp2 promoter sequences.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 28 OF 35 USPATFULL on STN
ACCESSION NUMBER: 1999:125130 USPATFULL
TITLE: Viral amplification of recombinant messenger RNA in transgenic plants
INVENTOR(S): Turpen, Thomas H., Vacaville, CA, United States
PATENT ASSIGNEE(S): Biosource Technologies, Inc., Vacaville, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5965794		19991012
APPLICATION INFO.:	US 1994-336724		19941109 (8)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1992-997733, filed on 30 Dec 1992, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Fox, David T.
LEGAL REPRESENTATIVE: Halluin, Albert P., Bendrick, John A.Howrey & Simon
NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 8
NUMBER OF DRAWINGS: 8 Drawing Figure(s); 8 Drawing Page(s)
LINE COUNT: 1110
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A novel method of over expressing genes in **plants** is provided. This method is based on the **RNA** amplification properties of plus strand **RNA** viruses of **plants**. A chimeric multicistronic gene is constructed containing a **plant** promoter, viral **replication** origins, a viral movement protein gene, and one or more foreign genes under control of viral subgenomic promoters. **Plants** containing one or more of these recombinant **RNA** transcripts are inoculated with **helper virus**. In the presence of **helper virus** recombinant transcripts are **replicated** producing high levels of foreign gene **RNA**.

Sequences are provided for the high level expression of the enzyme

chloramphenicol acetyltransferase in tobacco **plants** by **replicon RNA** amplification with **helper viruses** and movement protein genes derived from the tobamovirus group.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 29 OF 35 USPATFULL on STN

ACCESSION NUMBER:	1999:121571 USPATFULL
TITLE:	Promoters for enhancing plant productivity
INVENTOR(S):	Walling, Linda L., Claremont, CA, United States Pautot, Veronique, Gif sur Yvette, France Gu, Yong-Qiang, West Lafayette, IN, United States Chao, Wun Shaw, Pullman, WA, United States
PATENT ASSIGNEE(S):	The Regents of the University of California, Oakland, CA, United States (U.S. corporation) Institut National de la Recherche Agronomique, Paris, France (non-U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5962670		19991005	
APPLICATION INFO.:	US 1997-892770		19970715	(8)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	Granted
PRIMARY EXAMINER:	Robinson, Douglas W.
ASSISTANT EXAMINER:	Zaghmout, Ousama
LEGAL REPRESENTATIVE:	Townsend and Townsend and Crew LLP
NUMBER OF CLAIMS:	18
EXEMPLARY CLAIM:	1
LINE COUNT:	1850

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Tomato LapA promoters and gene sequences are provided. The promoters are induced in plants upon wounding, or other stress-related conditions. The gene sequences include a full-length LapA gene, particularly the amino terminal region of the gene. Methods of making stress resistant plants, and of making plants susceptible to stress are provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 30 OF 35 USPATFULL on STN

ACCESSION NUMBER:	1999:40605 USPATFULL
TITLE:	Viral amplification of recombinant messenger RNA in transgenic plants
INVENTOR(S):	Turpen, Thomas H., Vacaville, CA, United States
PATENT ASSIGNEE(S):	Biosource Technologies, Inc., Vacaville, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5889191		19990330	
APPLICATION INFO.:	US 1995-488422		19950607	(8)

RELATED APPLN. INFO.:	Division of Ser. No. US 1993-176414, filed on 29 Dec 1993 which is a continuation-in-part of Ser. No. US 1992-997733, filed on 30 Dec 1992, now abandoned
DOCUMENT TYPE:	Utility
FILE SEGMENT:	Granted
PRIMARY EXAMINER:	Fox, David T.
LEGAL REPRESENTATIVE:	Halluin, Albert P., Bendrick, John A.Howrey & Simon
NUMBER OF CLAIMS:	14
EXEMPLARY CLAIM:	9
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 7 Drawing Page(s)
LINE COUNT:	1073

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A novel method of over expressing genes in **plants** is provided.

This method is based on the **RNA** amplification properties of plus strand **RNA** viruses of **plants**. A chimeric multicistronic gene is constructed containing a **plant** promoter, viral **replication** origins, a viral movement protein gene, and one or more foreign genes under control of viral subgenomic promoters. **Plants** containing one or more of these recombinant **RNA** transcripts are inoculated with **helper virus**. In the presence of **helper virus** recombinant transcripts are **replicated** producing high levels of foreign gene **RNA**.

Sequences are provided for the high level expression of the enzyme chloramphenicol acetyltransferase in tobacco **plants** by **replicon RNA** amplification with **helper viruses** and movement protein genes derived from the tobamovirus group.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 31 OF 35 USPATFULL on STN

ACCESSION NUMBER:	1998:115955 USPATFULL
TITLE:	Viral amplification of recombinant messenger RNA in transgenic plants
INVENTOR(S):	Turpen, Thomas H., Vacaville, CA, United States
PATENT ASSIGNEE(S):	Biosource Technologies, Inc., Vacaville, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5811653		19980922
APPLICATION INFO.:	US 1993-176414		19931229 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1992-997733, filed on 30 Dec 1992, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Fox, David T.		
LEGAL REPRESENTATIVE:	Halluin, Albert P.Howrey & Simon		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	9		
NUMBER OF DRAWINGS:	7 Drawing Figure(s); 7 Drawing Page(s)		
LINE COUNT:	1092		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A novel method of over expressing genes in **plants** is provided. This method is based on the **RNA** amplification properties of plus strand **RNA** viruses of **plants**. A chimeric multicistronic gene is constructed containing a **plant** promoter, viral **replication** origins, a viral movement protein gene, and one or more foreign genes under control of viral subgenomic promoters. **Plants** containing one or more of these recombinant **RNA** transcripts are inoculated with **helper virus**. In the presence of **helper virus** recombinant transcripts are **replicated** producing high levels of foreign gene **RNA**.

Sequences are provided for the high level expression of the enzyme chloramphenicol acetyltransferase in tobacco **plants** by **replicon RNA** amplification with **helper viruses** and movement protein genes derived from the tobamovirus group.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 32 OF 35 USPATFULL on STN

ACCESSION NUMBER:	97:59085 USPATFULL
TITLE:	Modulation of sugar content in plants

INVENTOR(S): Secor, Gary A., Fargo, ND, United States
Borovkov, Alexander Y., Fargo, ND, United States
McClean, Phillip E., Fargo, ND, United States
Sowokinos, Joseph R., Grand Forks, ND, United States
PATENT ASSIGNEE(S): J.R. Simplot Company, Boise, ID, United States (U.S. corporation)
North Dakota State University of Agriculture and Applied Sciences, Bismarck, ND, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5646023		19970708
APPLICATION INFO.:	US 1995-545228		19951019 (8)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1993-48027, filed on 15 Apr 1993, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Moody, Patricia R.
LEGAL REPRESENTATIVE: Townsend and Townsend and Crew LLP
NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Figure(s); 3 Drawing Page(s)
LINE COUNT: 1203
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides novel transgenic plants with altered sugar levels and methods for producing them. The methods comprise introducing into the plant an expression cassette comprising a promoter sequence operably linked to a polynucleotide sequence substantially identical to a sequence from a gene encoding a protein associated with sucrose biosynthesis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 33 OF 35 USPATFULL on STN
ACCESSION NUMBER: 97:45198 USPATFULL
TITLE: P119 promoters and their uses
INVENTOR(S): Dunsmuir, Pamela, Piedmont, CA, United States
Stott, Jamie S., Oakland, CA, United States
PATENT ASSIGNEE(S): DNA Plant Technology Corporation, Oakland, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5633440		19970527
APPLICATION INFO.:	US 1994-359696		19941220 (8)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Fox, David T.
LEGAL REPRESENTATIVE: Townsend and Townsend and Crew LLP
NUMBER OF CLAIMS: 22
EXEMPLARY CLAIM: 10
NUMBER OF DRAWINGS: 2 Drawing Figure(s); 1 Drawing Page(s)
LINE COUNT: 1406
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention relates to compositions and methods useful in the production of transgenic plants. In particular, the invention relates to P119 plant promoter sequences and to expression cassettes containing P119 plant promoter sequences. The invention also relates to vectors and transgenic plants containing P119 plant promoter sequences that are operably linked to heterologous DNA sequences. In addition, the invention relates to methods of producing transgenic plants by using vectors containing P119 promoter sequences.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 34 OF 35 USPATFULL on STN
ACCESSION NUMBER: 97:18368 USPATFULL
TITLE: Plant group 2 promoters and uses thereof
INVENTOR(S): Baden, Catherine S., Martinez, CA, United States
Dunsmuir, Pamela, Piedmont, CA, United States
Lee, Kathleen Y., Oakland, CA, United States
PATENT ASSIGNEE(S): DNA Plant Technology Corp., Oakland, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5608144		19970304	
APPLICATION INFO.:	US 1994-289458		19940812	(8)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Robinson, Douglas W.
ASSISTANT EXAMINER: McElwain, Elizabeth F.
LEGAL REPRESENTATIVE: Townsend and Townsend and Crew LLP
NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: 13
NUMBER OF DRAWINGS: 10 Drawing Figure(s); 8 Drawing Page(s)
LINE COUNT: 2057
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention relates to compositions and methods useful in the production of transgenic plants. In particular, the invention relates to Group 2 (Gp2) plant promoter sequences and to expression cassettes containing Gp2 plant promoter sequences. The invention also relates to vectors and transgenic plants containing Gp2 plant promoter sequences that are operably linked to heterologous DNA sequences. In addition, the invention relates to methods of producing transgenic plants by using vectors containing Gp2 promoter sequences.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L193 ANSWER 35 OF 35 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 1994-11708 BIOTECHDS
TITLE: Virus amplification of **recombinant mRNA** in transgenic plant, especially tobacco; using replicon having replication function regulated by **helper virus**; recombinant protein over-expression
PATENT ASSIGNEE: Biosource-Genet.
PATENT INFO: WO 9416089 21 Jul 1994
APPLICATION INFO: WO 1993-US12636 29 Dec 1993
PRIORITY INFO: US 1992-997733 30 Dec 1992
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 1994-249235 [30]
AN 1994-11708 BIOTECHDS
AB A **replicon** (I) transcribed from a **transgene** integrated into the chromosome of a **plant** cell is new, (I) coding for: i. **replication** origins possessing substantial sequence identity to a plus sense, single-stranded **RNA plant** virus (tobamo virus); and ii. at least 1 gene non-native to a plus sense, single-stranded (ss) **RNA plant** virus. Also claimed are: a. a protein expressed in a **plant** cell using (I), where the protein is encoded by the gene non-native to a plus sense, ss **RNA plant** virus; ii. an **RNA** sequence expressed in a **plant** cell using (I); iii. a primary or secondary metabolite accumulated in the tissues of a transfected **plant** as a result of the expression of the non-native gene encoded by the **replicon**; iv. a transgenic **plant** consisting of a **transgene** integrated into the chromosome; v. a method of expressing a gene in **plants** consists of integrating a

transgene into a chromosome of a **plant** cell, the **transgene** encoding the **replicon** as above. (I) is used to over-express genes in **plants** to produce large amounts of a desired recombinant protein inexpensively. (I) provide for high level expression and have improved genetic stability. (60pp)

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